

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/519, 505 A
Source: JFW16
Date Processed by STIC: 03/23/2007

ENTERED



IFW16

RAW SEQUENCE LISTING DATE: 03/23/2007
PATENT APPLICATION: US/10/519,505A **TIME:** 10:42:28

Input Set : N:\DA\10519505.raw.txt
Output Set: N:\CRF4\03232007\J519505A.raw

5 <110> APPLICANT: Aarhus Universitet
6 Arbejdsmiljoinstituttet (National Institute of Occupational Health)
7 Nexo, Bjorn A
8 Vogel, Ulla
9 Rockenbauer, Eszter
10 Bukowy, Zusanna K
14 <120> TITLE OF INVENTION: Disease risk estimating method using sequence polymorphisms
in a specific
15 region of chromosome 19
18 <130> FILE REFERENCE: P 687 PC00
C--> 21 <140> CURRENT APPLICATION NUMBER: US/10/519,505A
C--> 22 <141> CURRENT FILING DATE: 2004-12-27
25 <150> PRIOR APPLICATION NUMBER: PA 2002 01005
26 <151> PRIOR FILING DATE: 2002-06-27
29 <150> PRIOR APPLICATION NUMBER: PA 2002 01500
30 <151> PRIOR FILING DATE: 2002-10-07
33 <150> PRIOR APPLICATION NUMBER: PA 2003 00289
34 <151> PRIOR FILING DATE: 2003-02-25
37 <150> PRIOR APPLICATION NUMBER: PA 2003 00639
38 <151> PRIOR FILING DATE: 2003-04-29
41 <160> NUMBER OF SEQ ID NOS: 216
44 <170> SOFTWARE: PatentIn version 3.1
47 <210> SEQ ID NO: 1
49 <211> LENGTH: 37790
51 <212> TYPE: DNA
53 <213> ORGANISM: Human - part of chromosome 19
56 <400> SEQUENCE: 1
57 agaaccggcc cccctccacc tcgtctcaaa aaaaaaaaaa aatcgctcta gtagcgaata 60
59 gtctaacgga gaatgacagg gaaattggtg atcctttctg ggcccaagag ttagaaatgg 120
61 ctttgcaggc cgggcgcggg ggctcaagcc tgtaatccca gcactttggg aggctgaggc 180
63 aggtggatca cctgaggtcg ggagttcaag accagcctga ccaacatgga gaaaacctgt 240
65 ctctactaaa gataaaaaat tagccggcgc tgctggcaaa tgcttgaat cccagctact 300
67 cgggagggctg aagcaggaga attgcttcaa cctgggaggc agaggttgca gtgagcagag 360
69 atggcccggt cgcaactctag cctggcaac aaaagcggaa ctcatttca aatattaata 420
71 ataataacta ataaaataaaa cataaatgtc agctttgtt tgtttctca acaaataatgc 480
73 atgtggcattc taccatgtgt ctgatcctgt gctggccct gggAACAGAA aggtgaccat 540
75 gacagcctca gcacctgccccc tcaaagaaca gatTTTTTC cttgagacag ggtcttctc 600
77 tgtcgccaag gctggagtgca agtggcacag tcacagctca ctgcagcctc cacctcttgg 660
79 gctcaagcga tcctccacc tcagcttcca gagtagctgg gaccacaggt gtgcaccacc 720
81 aagcccagct aagttttatt tttaaattt tttagagac gaggtctcac cacgttgccc 780
83 aggctgtta aactcgcagg ttcaagtgtat cctctccct cagccttca aattgttggg 840
85 attacagggg tgagggacca ggcctggcct caaagaacag atattaaata tacaaatgaa 900
87 tatatgatta cagcctggag tggctgtcg tgcctgttgt tccaaacactt tggaaaggcca 960
89 aggcqqaqtac attqcttqaq ctcaqqqaqct aqaqaccqac ctqqqcaaca tqqtqaaaac 1020

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/519,505A

DATE: 03/23/2007

TIME: 10:42:28

Input Set : N:\DA\10519505.raw.txt

Output Set: N:\CRF4\03232007\J519505A.raw

91	ccgtctctac	aaaaaatgca	aaaattagct	gggcgtggtg	gcgtgcacct	gtagtcccag	1080
93	atactcagga	ggctgagggtg	ggagaatcac	ctgggcctgg	gaggcagagg	ttgcaatggg	1140
95	cagtgattgt	gccactgcac	tccagcctgg	gcaacaggag	tgaaaaccta	tctcaaatgt	1200
97	gtgtgtgtgt	gtgtgtgtgt	gtgtgtgtgc	gcacgtgtat	aatcacaagt	acaaaagtgc	1260
99	tgtgaaggaa	aacttcaagt	caccataaag	attgattatg	ggctgggtgc	agtggctcat	1320
101	gcctgttaatc	ccagcacttt	gggaggccaa	ggcagatgga	tcacgaggtc	aggagttcaa	1380
103	gaccagcctg	gtcaacatgg	tgaaacccta	tctctactaa	aaaaaaaaaa	aaaaaaaaaa	1440
105	aagccaggca	tagtggcatg	catctgtaat	cccatctact	cgggaggcta	aagcaggaga	1500
107	attgcttcaa	cccaggaggc	agaagtgagc	caagatcacf	ccactgcact	ccagcctgcg	1560
109	tgacagagca	agactccgtc	ccagaaaaag	aaaaaaaaaa	aagacttatt	atgacaggat	1620
111	gtctactgtc	aactgtgggg	tgtgagtgtt	ggccaagtga	tcagagaagg	cttcgtggaa	1680
113	gaagcgaggt	ttgagtagag	ccagaaaata	attagaagag	atcaaccagc	aagagggat	1740
115	ggatgagaga	agtgagaaag	gttgcagg	gagagagacc	atcatacaca	aaagctctag	1800
117	gccagaagaa	agctgaggcc	tgtgagtgct	gaaaggaagc	ctgtgggggt	ggagctctga	1860
119	gtttagcaca	gggagcagag	aaagggcagc	tggagggaa	ggcagggca	gatgaaatc	1920
121	tcttttttaa	attaattaaat	tcttaattta	tttatttttg	agacaaggc	tcactcttcc	1980
123	gcccagactg	gagtagactg	gcacaatctc	agcgcaccgc	aacctctgcc	acccaggctc	2040
125	aagcaattct	ctggcctcag	cctccctagt	agctggatt	acaggtgcgc	accactactg	2100
127	cccagctaat	ttttatactt	tttagtagaaa	gggggttca	ctatgtttgc	caggctggcc	2160
129	tcaaactcct	gacccaaaaa	gatccaccca	cttcagcctc	ccaaagtgc	gggattacag	2220
131	gtgtgagcca	cccttcccg	ctgtattttt	ggagacagag	tcttgctctg	tcccagcctg	2280
133	gagtagtggg	gtgtgaattt	ggctcattgc	cacccgtacc	tccaggcgc	aagtqatcct	2340
135	ccccacccat	cctctgagat	agctggact	gcgggtacac	gacaccacgc	ctggtaatt	2400
137	tttttaattt	tttttagag	acgagggat	ctcactatgt	tgtccaggct	ggttgaactc	2460
139	ctgagctcaa	gcaattctcc	cacccatgc	tcccaaggta	gtgggattac	agacgtgagc	2520
141	cactgtgccc	ggcttaattt	atttacataa	attttttat	gtttacttt	ctatctccta	2580
143	caggaagaaa	atatatttt	ttattgacag	ggtctcgcta	tgttgcggag	gctggatttg	2640
145	gcgtcaagcc	atcctgttcc	ctcagcctcc	caaagtactg	ggattacaag	cgtgagcctc	2700
147	tgcacccat	ccagatccaa	aatcttact	gtcacctaca	gagtccctg	taactagctt	2760
149	actgctcatac	atccccatac	caacccaccc	tactgctcg	atctccctc	ctctctcccc	2820
151	cagtcattt	tgtttcagct	atgctggct	ccttgcgtc	tctaaaacat	aacaaggcaca	2880
153	tcccatctca	gggccttgc	accagctatt	ttgtctgcct	gaaatgcgt	ttccctgtat	2940
155	agccatgtgg	ctgacacact	cacccctcc	agctcttgc	tcaattgtca	acttctcgcc	3000
157	ccggcatgg	ggctcacacc	tgtatccca	ccactttggg	aggctgagg	gggcagatca	3060
159	cctgagatca	ggagttcgag	accagcctgg	ccaagatgg	gaaatcccg	ctctactaaa	3120
161	aatacaaaaa	ttggcaaaagc	atggtagcac	ataccagtaa	tcctagctac	ccgggaggct	3180
163	gaggcaggag	aattgctgga	acccgggagg	cagaggctgc	agtggccaa	gatcatgcca	3240
165	ctgtactcca	gcctgggtga	caaagcaaga	ctctgtctca	aaaaaaaaaa	agtccttc	3300
167	tcaatgagg	cttcctgacc	acccaaattaa	atctacctcc	tagacacaca	cacacacgc	3360
169	cgcacgcacg	cacacacaca	cacccacgc	cgcacacaca	cacacacaca	cacactat	3420
171	cccccttccc	tgcttattt	ttcttgagag	ctcatttaac	catgtgacat	gctgaatatt	3480
173	ttacttattt	attttgtta	gaaagctct	ggctgggcgc	gggggctcac	gcctgtatc	3540
175	ccagacttt	gggaggctgg	aacaggtgga	tcatgtgagg	tcaggagttc	cagaccagcc	3600
177	tgaccaacac	ggtggaaaccc	catctctatt	aaaaatgca	aaattagctg	ggtgtgggt	3660
179	cgcacccat	taatcccaac	tactcagaag	gctgaaggag	gagaatcgct	tgaacctggg	3720
181	aggcagaggt	taacgctgag	ccgagatcgc	gccattgcac	tccagcctgg	gcaacaagag	3780
183	tgaaactctg	tctcgaaaaa	aacaaaagtc	agctccatgg	caggagtgt	ggctcacgc	3840
185	tataatccca	gcactttgtg	aggccgaggc	ggggcgatca	cttgaggatca	ggagttggag	3900
187	accagcctgg	ccaacatgg	gaaacctcat	ctctactaaa	aatacaaaaa	ttagccgggg	3960

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/519,505A

DATE: 03/23/2007
TIME: 10:42:28

Input Set : N:\DA\10519505.raw.txt
Output Set: N:\CRF4\03232007\J519505A.raw

189	gtggtgacac atgtctgtag tcccagctac ttgggaggct gaggctggag aatggcttga	4020
191	acctgggagg tagaggttgc agtaagccaa gatcgccca ttgtcttcca tcctgggcaa	4080
193	cagactccgt ctcagaaaagg aagaaaagaag gaaagagaga aagagagaaa gagacagaga	4140
195	gagagagaga aaggagaaaa gagagaaagg atgaaaggac cctgacaagc actgttgcatt	4200
197	aaaagtttct ttctctctc tttttttttt tttttttttt ttgagacagg gtctacttc	4260
199	tgttgctcca gctgaagtgc agtggtgaga acatggctca gtgcagcctc aacttcccag	4320
201	gtttaagtga tcctgccacc tcagcctctt gagtagctgg gactgttagt gtgcaccacc	4380
203	gtgcctagct aatttttgtt atttttagta gagacatggt tccgcacgt tgcccaggct	4440
205	ggtcttgaac tcctgggctt aagggatctg cccgcattgg cctcccaaag tgctggatt	4500
207	accagcgtga gccactgtac ccagccttag tatagtttc tgataaattt taggatcata	4560
209	ttgtttggac tggtaagaa tttccagaa tctaatttgaag aaactgactg gtttatattt	4620
211	tattttattt tattttatta ttttttagat ggattttcac tcttggccca caagctggat	4680
213	tgcagtggca cgatcttggc tcaccacaa ctcgcctcc cggtttcaag tgattctcct	4740
215	gcctcagcct cccccaggagc tgggattaca ggcacccacc accatgctcg gctatTTT	4800
217	tttttatttt ttttttttta gttagagacgg ggtttccacca tgggttgcag gctggtctcg	4860
219	aactcctgac ctcatgttgc ccacctgcct tggcctccca aagcgctggg attacaggca	4920
221	tgagccactg tgcaaggcct aggctgggtt ataaaattgc taaaccaagc agaacatgaa	4980
223	ttaaatacca aggaataact ctcttagatt gtcatgttac atcagccaaat actaaaattt	5040
225	tcaagataca caatttgaat gaactccatgt gtccaaagtgc aattatctat gal.attaccc	5100
227	atctaataaa cagcaactatg tcccttaatg ggagaaaaag ttggagaatt taagagaata	5160
229	tcaatccaaat gttgggtggg tgcagtgaat catgtctata ttcccagcac tttgggaggc	5220
231	caaggcagga ggatcacttg agcccagaa ttcaaggcca gcctcgccaa cacggtgaga	5280
233	tcctgtctct acggaaaatt aaaaaaaaaa aaagagagag attagtggttgc tgggtgcct	5340
235	atagtcctcag ctacttggga ggctgaggcg ggaggatcat ttaagctgg gacgttgcagg	5400
237	ttgcagtgaa ccatgagtga gactcatctc aaaaaaaaaa aaaaaatggc gatcactaga	5460
239	gaaaaaaaaa actaaagtgg ggtttgggg tagtgggagg gccccttgc ttaggttgc	5520
241	ctatgatctc caggaggct ccacgggaga atcatttcct tggcttttc agtttctaga	5580
243	gccaaattct ttgcataacct tgcattccct ggctcgaaac cccttccta accttcaaag	5640
245	ctggcagcta gcctctggct caagtgtcac atggcctgtc tctgtcttcc tatccaatct	5700
247	tcctttata agaacattgg agccaggcat ggtggctgac gcctgtaaatc ccagcacttt	5760
249	gggagaccga ggcaggcggc tcacaaggctc aggagttcgaa gaccagcctg gccaacacag	5820
251	tgaaaccccg tctctactaa aaaaatacaa aaaatgtcc gggcatggg gcagggtgcct	5880
253	gtaatcccg ctacttgaga ggctgaggca ggagaatcgcc ttgaacctgg gaggcagagc	5940
255	ttgcagttagt ccgagatagt gccaatgcag tccggcctgg gcgaaacagc gagactccgt	6000
257	cgcaaaaaaaaaa aaaaaataat aataaataat aaataaaaaat aaaaataaaa taaaaaaaata	6060
259	aaaataataa aataaataaa aattatTTT agacaaagtc tattctgtgg cagaggctgg	6120
261	aatgcagtgg cgtgatcaca gcttactgca gcttctacct cctgagctca agcgatcctt	6180
263	ccaccttggc ttcttgagta gctgggacct caggtgtaca ttaccacgct cagctaatta	6240
265	tttattttattt tattatattt ttgttgacgga gtttcgtct tggcccccgg gctggagtgc	6300
267	aatggtgcta tctcagctca ctgcaaccctc tgcctctgg attccagtgaa ttccctgtc	6360
269	ttagcttctt gatgtactgg gattacaggat acatgcccattt acggccagct aattttgtt	6420
271	tttttagtag agacggggtt tcatcatatt ggtcaggctg gtctcgaact cctgacctca	6480
273	ggtgatccac ctgccttggc ctcccaaagt gctgggattt caggcgttgc gacccacgcc	6540
275	cgcaattttttttt ttttttttcc agacagatgc ttgtctgtc acccaggctg	6600
277	gatgtactgg gctgtatctc ggtttactgc aacccatc tcccggttc aagcgattct	6660
279	ccttctcag cctccaaagt agctgggact acagggtgcac accaccacgg cgggctaatt	6720
281	tttgcattttt tagtagacac cagtttgcac catattggc agactggctc caaactcctg	6780
283	acctcaggtg atccatctgc ctgcgcctcc caaatttgcgg gattacaag cgtgagccac	6840
285	acacctggct taattttttt atttttgcgg gacacagggt ctccctatgt tgtccaaagt	6900

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/519,505A

DATE: 03/23/2007

TIME: 10:42:28

Input Set : N:\DA\10519505.raw.txt

Output Set: N:\CRF4\03232007\J519505A.raw

287	ggcagagatt	tttgggtt	tgtttgagag	ggaattttgc	tctttagcc	caggctggag	6960
289	tacaatggtg	caatcttggc	tcaccacaaac	ttccgcctcc	cgggttaac	agattctcct	7020
291	gcctcagcct	cccaagttagc	tggaaactaca	ggcacctacc	accacaccag	gctaattttt	7080
293	gtgcgtttta	gttagagatga	ggtttaccca	tgtggccag	gctggctta	aactcctggc	7140
295	ctccagtgt	ccacccgcct	tgacctccca	aagtgtgaa	attacaggcg	tgagcaccgc	7200
297	gcctggcctc	tcaacctaca	atttcaacac	ccaaggaaac	agcccaccat	gagtgagaac	7260
299	cagcagacac	aacaaaactat	aggattagct	gcctccaaac	ttcaggtgt	agattatcag	7320
301	gcatgtactt	gaaactaaag	gacacaaaag	aagaatccga	aatataaaat	aaaggattgg	7380
303	acttgtgtga	aaagaatccc	ttagaaaaggg	ctactttcag	gctggccatg	gtggctaatg	7440
305	gcctgtatc	ccagcacttt	ggaaggccga	ggtgtgtgga	tcacctgagg	tcaagagttc	7500
307	aagaccagcc	tggccaacat	ggtgaaaaccc	cgtctctact	gaaaatacaa	aaatttagcca	7560
309	ggtgggggtgg	cagatgcctg	taatcccagc	tactcgggag	gctgaggcag	gagaatcgct	7620
311	tgaactcagg	aggcagaggt	tgcagtgagc	tgagattgctg	ctatcgtgcc	ccagcctggg	7680
313	cactagatgt	agatcaaaaa	aaaaaaaaaa	aaaagaagaa	gaagaagaaa	gggctacttt	7740
315	cagactgcct	tgccaaaaat	cataaccaca	atgatgagca	tgtatttgg	caaaacagaa	7800
317	tcaaaagaga	agaaaagtcaa	tttctgtgca	aactactttt	atttataagg	aaagtttctc	7860
319	tatttgttt	ataaacatta	aaccagtgt	gtgtgaaggc	acttaattgg	ggagaggtgg	7920
321	ggcagggatc	ctggtagaga	ccaatgttc	ccacccagac	cccaagactg	ctggggagaga	7980
323	ttgtgtcago	agtgtactccc	aggaataatcc	agtgggtgtgg	tggcccatcc	caggccccggc	8040
325	ttggcaggtg	gctggcttgc	tgggggatgt	gatgtgtgt	gtaggcatgg	gaggcacttt	8100
327	ggacgggatc	tgatttggca	aaaggaagtg	gttccctgtc	cccagtgtt	tccagccctt	8160
329	cccagacctc	ccaaaggctaa	ggcagattac	taaattttaag	gctggggccc	tccttcttcc	8220
331	ctggacttcc	aggagaacag	agaaccgtg	gcaaggacca	ccaccagcag	ggtgaggggt	8280
333	gcagataaaag	gcagaaaaaa	acagagggag	aggtctggag	ggaaggcagg	aatgctgtt	8340
335	tctgtcagcc	tcagaaacct	ccttctatcc	tgcttagactt	tactccttgc	aggcttcacc	8400
337	ctggggaaaca	gctgggaga	gacaggatct	tcagacatca	ggagctccc	cctcctcatac	8460
339	ccacatgcaa	atccgcgtcc	tgtctctatc	ctcccacccc	ttcctaaggg	gacctctcag	8520
341	cacccccc	actgtccag	aatccaagtt	ctgtgtcacc	tccaagaacc	agatgaaacc	8580
343	ttccaatcag	agcctccact	gatgaaatgg	aatatttcca	gtgtctctta	actgccataa	8640
345	ggagaagccc	acctctctct	aacaccttgg	ttgtctttt	gggtcccacc	tccatattta	8700
347	aaaaatctcc	tcttcaggg	ccggggagcag	tgggtcacac	ctataatccc	agcagtttgg	8760
349	gaggccgagg	tgggtggatg	acctgagctc	aggagttcaa	gacaaggctg	gtcaacatga	8820
351	cgagaccctg	tctctactaa	aaacacaaaaa	aattagctgg	gcgtgggt	gcatgcccgt	8880
353	aatcccagt	acttgggagg	ctgaggcagg	agaatcaat	gaatccggga	ggtggaggct	8940
355	gcagtgagcc	aagatcgccgc	cactgactc	cagcctgggc	gacgcagctg	aagctgtgtc	9000
357	tccaaaaaca	aaacacacac	acacacacac	acagaaaaaa	aaaaccaaaa	taaaaaatc	9060
359	tcccttctca	ggaatgtAAC	ggaatctcc	ttgccttctc	ccctaaccct	aatagagaat	9120
361	tttcctcagt	tacactgtaa	ttttatataat	ggatttttcc	tcattctgcc	caatgcagt	9180
363	taatgaaagc	ttcctctcca	tctgttatat	tatataaaaa	tatataattat	atatttat	9240
365	attatatatt	tataataac	atataatttt	attgtcaccc	aggctggagt	gcagtggcac	9300
367	catcagggt	cactgcagga	tcaatctccc	aggcttaagc	gattctctg	tgtcagcctc	9360
369	ctgatgagct	gggattacag	gcacccgcca	ccacacccgg	ctaaatttt	ttttttgtat	9420
371	tttttagtaga	gatggagttt	caccatgtt	gccaggctgg	tctagaactc	ctgacctcag	9480
373	gagatccggcc	cgccttggcc	tcccaaagtg	ctgggattac	aggtgtgagc	cacctggccg	9540
375	ggccctccac	ttccttcttgc	tacattgtt	aatccctgtt	tcagccctag	aggccaggtc	9600
377	ttttgcctc	tcccagccctt	aatctacaat	tctgttaaccc	acccaccatc	attaaaatga	9660
379	gattcttctt	tgtcgcttcc	cttggctaaa	atggattatt	ctttaacctc	tccaccaata	9720
381	caaccaggga	tgataataaa	aacattggat	tgagcagaaa	ccaatcaaata	aactagtaag	9780
383	cgagtactgg	cgagcaccct	acatcctgac	agcttataaa	agggcgcttc	cagccaggtg	9840

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/519,505A

DATE: 03/23/2007

TIME: 10:42:28

Input Set : N:\DA\10519505.raw.txt

Output Set: N:\CRF4\03232007\J519505A.raw

385	cgggtggcaca	tgcctgtaat	cccaggactt	tgggaggctg	aggcgggcag	gtcaccttag	9900
387	gtcaggagg	tttcaagacc	ccatggccaa	tttttgttgc	tttttttttt	tttttttttt	9960
389	aaaaaaa	aaaaat	tttttttttt	tttttttttt	tttttttttt	tttttttttt	10020
391	tttttttttt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	10080
393	tttttttttt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	10140
395	tttttttttt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	10200
397	tttttttttt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	10260
399	tttttttttt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	10320
401	tttttttttt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	10380
403	tttttttttt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	10440
405	tttttttttt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	10500
407	tttttttttt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	10560
409	tttttttttt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	10620
411	tttttttttt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	10680
413	tttttttttt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	10740
415	tttttttttt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	10800
417	tttttttttt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	10860
419	tttttttttt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	10920
421	tttttttttt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	10980
423	tttttttttt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	11040
425	tttttttttt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	11100
427	tttttttttt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	11160
429	tttttttttt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	11220
431	tttttttttt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	11280
433	tttttttttt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	11340
435	tttttttttt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	11400
437	tttttttttt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	11460
439	tttttttttt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	11520
441	tttttttttt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	11580
443	tttttttttt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	11640
445	tttttttttt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	11700
447	tttttttttt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	11760
449	tttttttttt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	11820
451	tttttttttt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	11880
453	tttttttttt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	11940
455	tttttttttt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	12000
457	tttttttttt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	12060
459	tttttttttt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	12120
461	tttttttttt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	12180
463	tttttttttt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	12240
465	tttttttttt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	12300
467	tttttttttt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	12360
469	tttttttttt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	12420
471	tttttttttt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	12480
473	tttttttttt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	12540
475	tttttttttt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	12600
477	tttttttttt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	12660
479	tttttttttt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	12720
481	tttttttttt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	12780

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 03/23/2007
PATENT APPLICATION: US/10/519,505A TIME: 10:42:29

Input Set : N:\DA\10519505.raw.txt
Output Set: N:\CRF4\03232007\J519505A.raw

Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:1; Line(s) 14

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/519,505A

DATE: 03/23/2007

TIME: 10:42:29

Input Set : N:\DA\10519505.raw.txt

Output Set: N:\CRF4\03232007\J519505A.raw

L:21 M:270 C: Current Application Number differs, Replaced Current Application Number

L:22 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:6347 M:112 C: (48) String data converted to lower case,